

**新莱福****NEWLIFE
NEW MATERIAL****Flexstone® Eco-Material****MANUFACTURER****NEWLIFE NEW MATERIAL**

NEWLIFE FLEXSTONE ECO-MATERIAL SPECIFICATION

FLEXSTONE ECO-MATERIAL FOR INKJET PRINTING

Edition: A0 NO: NMEQS-MACO 296

Flexstone Eco-material is an emerging printing substrate that offers distinct environmental benefits, as it replaces wood pulp with calcium carbonate mineral powder, eliminating tree consumption and process water usage during production. In terms of physical properties, the material provides balanced flexibility and mechanical strength, with good heat resistance suitable for high-temperature printing processes. Its specially engineered coating ensures excellent ink adhesion, while the warm white shade—combined with outstanding opacity—faithfully reproduces the tonal range and color fidelity of high-resolution images. Additionally, its inherent water resistance makes it a durable and functional choice for applications such as outdoor posters, washable labels, and restaurant menus, where both performance and longevity are required.

PHYSICAL DATA:

For (eco) solvent, Latex and UV printing, one side:

PART NO.	Thickness	Density	Weight (G/M2)	Gloss (°)	Whiteness (wb)	Opacity (%)	Standard Size
FS-S22	0.22mm / 8.7mil	1.0	220±22	3-8	≥82	≥90	50Mx1270mm 50Mx1370mm 50Mx1524mm
FS-S27	0.27mm / 10.6mil	1.0	270±27	3-8	≥82	≥90	
FS-S32	0.32mm / 12.6mil	1.0	320±32	3-8	≥82	≥90	
FG-S22	0.22mm / 8.7mil	1.4	300±22	3-8	≥82	≥90	50Mx1270mm 50Mx1370mm 50Mx1524mm
FG-S27	0.27mm / 10.6mil	1.4	370±37	3-8	≥82	≥90	
FG-S32	0.32mm / 12.6mil	1.4	440±44	3-8	≥82	≥90	

Other thickness will come soon.

For UV printing, two sides:

PART NO.	Surface Thickness	Density	Weight (G/M2)	Gloss (°)	Whiteness (wb)	Opacity (%)	Standard Size
FS-2K20	0.2mm / 8mil	1.0	200±10	4-6/9-12	≥82	≥90	50Mx1270mm 50Mx1370mm 50Mx1524mm
FS-2K25	0.25mm / 10mil	1.0	250±13	4-6/9-12	≥82	≥90	
FS-2K30	0.3mm / 12mil	1.0	300±15	4-6/9-12	≥82	≥90	
FG-2K20	0.2mm / 8mil	1.4	280±10	4-6/9-12	≥82	≥90	50Mx1270mm 50Mx1370mm 50Mx1524mm
FG-2K25	0.25mm / 10mil	1.4	350±13	4-6/9-12	≥82	≥90	
FG-2K30	0.3mm / 12mil	1.4	420±15	4-6/9-12	≥82	≥90	

Other thickness will come soon.

PROCESS AND STORAGE:

- Working condition: temperature 15°C/59°F to 30°C/86°F, and relative humidity 30% to 60%.
- Application condition: temperature -20°C/-4°F to 60°C/140°F, relative humidity 20% to 80%. Temperature variability within 30min should be less than 15°C difference.
- Storage condition: In original box out of direct sunlight, in temperature 10°C/50°F to 35°C/95°F, relative humidity 20% to 70%
- Shelf life: 12 months under storage condition. Unfinished material should be seal-packed and used up in 1 month.